

IN THE CLAIMS:

Please AMEND and CANCEL claims in accordance with the following:

1. (Currently Amended) A broadcast type communication data distribution device distributing data in a network, comprising:

a broadcast type communication data recognition unit analyzing ~~whether a source address in data~~ received from a sender through the network in the form of uni-cast communication and analyzing whether the data is broadcast type communication data, and when one of a plurality of segments of broadcast type communication data is received from the sender, further extracting, from the source address, an identifier of the received data and control information about a relay and copy/transfer of the received data, based on the analysis of the source address;

a broadcast type communication control table storage unit storing an address of a receiver for which the data should be copied and transferred, and a data transfer available/unavailable flag addressed to the receiver, in relation to the identifier of the broadcast type communication data; and

a copy/transfer unit relaying data to an addressed receiver, copying the data and transferring the data to one or more receivers other than the addressed receiver or another distribution device through the network, based on the address of the receiver for which the data should be copied and transferred and the data transfer available/unavailable flag stored in the broadcast type communication control table storage unit, if the data is broadcast type communication data.

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Currently Amended) The broadcast type communication data distribution device according to ~~claim 5~~ claim 1, wherein

when said broadcast type communication data recognition unit extracts information indicating the addition of a receiver, which is control information, said broadcast communication control table storage unit adds the destination address of the data as a receiver address in relation to the identifier of the received data.

7. (Currently Amended) The broadcast type communication data distribution device according to ~~claim 5~~claim 1, wherein when said broadcast type communication data recognition unit extracts information indicating the deletion of a receiver, which is control information, said broadcast communication control table storage unit deletes an entry having the destination address of the data as a receiver address, in relation to the identifier of the received data.

8. (Currently Amended) The broadcast type communication data distribution device according to ~~claim 5~~claim 1, wherein

when said broadcast type communication data recognition unit extracts information indicating the deletion of all receivers of broadcast type communication data corresponding to the identifier, which is control information, said broadcast communication control table storage unit deletes all entries having the identifier in its entry, in relation to the identifier of the received data.

9. (Currently Amended) The broadcast type communication data distribution device according to ~~claim 5~~claim 1, wherein

when said broadcast type communication data recognition unit extracts information indicating the stoppage of data distribution to a receiver, which is control information, said broadcast communication control table storage unit sets the data transfer available/unavailable flag of a receiver address that matches the destination address of the received data, to "transfer unavailable".

10. (Currently Amended) The broadcast type communication data distribution device according to ~~claim 5~~claim 1, wherein

when said broadcast type communication data recognition unit extracts information indicating the re-start of data distribution to a receiver, which is control information, said broadcast communication control table storage unit sets the data transfer available/unavailable flag of a receiver address that matches the destination address of the received data, to "transfer available".

11. (Currently Amended) The broadcast type communication data distribution device according to ~~claim 5~~ claim 1, wherein

said copy/transfer unit relays or copies/transfers all segments of data received from the sender, including the control information extracted by the broadcast type communication data recognition unit.

12. (Currently Amended) The broadcast type communication data distribution device according to ~~claim 5~~ claim 1, wherein

said copy/transfer unit converts the control information extracted by said broadcast type communication data recognition unit into ~~the~~ scrambled information received from the sender and relays or copies/transfers the converted data.

13. (Currently Amended) The broadcast type communication data distribution device according to ~~claim 5~~ claim 1, wherein when a target for which data is relayed or copied/transferred is a receiver of the data,

said copy/transfer unit converts the control information extracted by said broadcast type communication data recognition unit into ~~the~~ scrambled information received from the sender and relays or copies/transfers the converted data.

14. (Currently Amended) The broadcast type communication data distribution device according to ~~claim 5~~ claim 1, wherein

the data received from the sender includes no ~~substantial~~ data to be finally provided for a receiver.

15. (Currently Amended) The broadcast type communication data distribution device according to ~~claim 2~~ claim 1, wherein

said broadcast type communication data recognition unit analyzes a source address, which is a private address of a MAC address in an Ethernet, and recognizes data in a layer 2 network.

16. (Currently Amended) The broadcast type communication data distribution device according to ~~claim 2~~ claim 1, wherein

said broadcast type communication data recognition unit analyzes a source address, which is an Internet protocol address, and recognizes data in a layer 3 network.

17. (Currently Amended) The broadcast type communication data distribution device according to ~~claim 2~~claim 1, wherein

said broadcast type communication data recognition unit analyzes a source address, which is a port number of a user data protocol or a transmission control protocol, and recognizes data in a layer 4 network.

18. (Currently Amended) A broadcast type communication system conducting broadcast type communications, comprising:

a transmitter device transmitting broadcast type communication data to a receiver through a network in the form of uni-cast communication;

a broadcast type communication control table storage unit storing an address of a receiver for which the data should be copied and transferred, and a data transfer available/unavailable flag addressed to the receiver, in relation to the identifier of the broadcast type communication data; and

a distribution device provided between a sender and a plurality of receivers, that relays data received from a sender through a network to an addressed receiver and also copies/transfers the data to one or more receivers other than the address receiver, based on the address of the receiver for which the data should be copied and transferred and the data transfer available/unavailable flag stored in the broadcast type communication control table storage unit, if the data is broadcast type communication data.

19. (Cancelled)

20. (Cancelled)

21. (Currently Amended) A broadcast type communication data distribution device distributing data in a network, comprising:

broadcast type communication data recognition means for analyzing ~~whether a source address in~~ data received from a sender through the network in the form of uni-cast communication and analyzing whether the data is broadcast type communication data, and when one of a plurality of segments of broadcast type communication data is received from the

sender, further extracting, from the source address, an identifier of the received data and control information about a relay and copy/transfer of the received data, based on the analysis of the source address;

broadcast type communication control table storage means for storing an address of a receiver for which the data should be copied and transferred, and a data transfer available/unavailable flag addressed to the receiver, in relation to the identifier of the broadcast type communication data; and

copy/transfer means for relaying data to an addressed receiver, copying the data and transferring the data to one or more receivers other than the addressed receiver or another distribution device through the network, based on the address of the receiver for which the data should be copied and transferred and the data transfer available/unavailable flag stored in the broadcast type communication control table storage means, if the data is broadcast type communication data.